

Federal Aviation Administration

National Airspace System

Capital Investment Plan

Appendix D

Fiscal Years 2005 – 2009



## LIST OF ACRONYMS AND ABBREVIATIONS

### A

ACAS	aircraft collision avoidance system
ACE	aviation capacity enhancement
ACE-IDS	automated surface observing system controller equipment information display system
ACSI	american customer satisfaction index
ACTIONS	administration and compliance tracking in an integrated office network subsystem
ADS	automatic dependent surveillance
ADS-B	automatic dependent surveillance broadcast
AF	Airway Facilities
AFIS	automated flight inspection system
AFSS	automated flight service station
A/G	air-to-ground
ALAR	approach/landing accident reduction
ALSF	approach lighting system with sequence flasher
ALSIP	approach lighting system improvement program
AMS	acquisition management system
ANICS	alaskan national airspace system interfacility communications system
ARE	aircraft and related equipment
ARSR	air route surveillance radar
ARSR-4	air route surveillance radar model 4
ARTCC	air route traffic control center
ARTS	automated radar terminal system
ASA	airborne surveillance applications
ASAP	aviation safety reporting system
ASAS	aviation safety analysis system
ASCM	asset supply chain management
ASDE	airport surface detection equipment
ASDE-3X	airport surface detection equipment – model 3x
ASDE-X	airport surface detection equipment – model x
ASHS	Office of Security and Hazardous Materials Systems
ASI	aviation safety inspector
ASIM	aerospace safety information management
ASIS	aviation systems information systems
ASOS	automated surface observing system
ASR	airport surveillance radar
ASR-9	airport surveillance radar model 9
ASWON	automated surface weather observation network
AT	Air Traffic
ATC	air traffic control
ATCBI	air traffic control beacon interrogator
ATCBI-6	air traffic control beacon interrogator model 6
ATCSCC	air traffic control system command center
ATCT	airport traffic control tower
ATDP	advanced technology development prototyping
ATIS	automatic terminal information service
ATM	air traffic management
ATN	aeronautical telecommunication network
ATO	Air Traffic Operations
ATOMS	air traffic operations management system
ATOP	advanced technologies and oceanic procedures

ATS	Air Traffic Services
AWOS	automated weather observing system
AWSS	automated weather sensor systems
<b>B</b>	
BLI	budget line item
BSE	balanced scorecard
BUEC	backup emergency communications
<b>C</b>	
C3	command, control, and communications
CAEG	computer-aided engineering graphics
CARS	compliance assessment reporting system
CASSD	Center for Advanced Aviation System Development
CAT	category
CBI	computer-based instruction
CCS	command center conference control system
CDM	collaborative decision making
CDR	critical design review
CDTI	cockpit display of traffic information
CERAP	center radar approach control
CETS	compliance and enforcement tracking subsystem
CFIT	controlled flight into terrain
CHAPS	clinic health awareness program support
CIP	Capital Investment Plan
CIWS	corridor integrated weather system
COTS	commercial off-the-shelf
CPDLC	controller-pilot data link communications
CPDSS	covered position decision support subsystem
CSIRC	Computer Security Incident Response Center
CTSU	contractor traffic simulation unit
CTS	critical telecommunications support
CVR	cockpit voice recorder
<b>D</b>	
D-ATIS	digital automatic terminal information service
DARC	direct access radar channel
DBRITE	digital bright radar indicator equipment
DCA	Ronald Reagan Washington National Airport
DF	direction finder
DFW	Dallas Fort Worth International Airport
DIWS	document imaging workflow subsystem
DME	distance measuring equipment
DoD	Department of Defense
DOT	Department of Transportation
DRVSM	domestic reduced vertical separation minima
D-side	data-position
DSP	departure spacing program
DSR	display system replacement
<b>E</b>	
EAM	enterprise asset management
EAS	Enterprise Application System
EBUS	enhanced backup surveillance
ECG	en route communication gateway

EDC	early display configuration
EMS	environmental management systems
EOSH	Environmental & Occupational Safety and Health
EPA	Environmental Protection Agency
ERAM	en route automation modernization
ERIDS	en route information display system
ETMS	enhanced traffic management system
ETVS	enhanced terminal voice switches

## **F**

FAA	Federal Aviation Administration
FAADDS	FAA Data Display System
FAATC	Federal Aviation Administration Technical Center
FANS	future air navigation system
FCA	facility condition assessments
FCA	flow constrained area
FDIO	flight data input/output
FDR	flight data recorder
F&E	facilities and equipment
FFP1	Free Flight Phase 1
FFP2	Free Flight Phase 2
FPPS	facility power panel system
FIAT	facilities information and analysis tool
FIMS	FAA ID media system
FIRPS	flight inspection reporting procedures system
FIS	flight information service
FISDL	flight information services data link
FLS	fire life safety
FM	frequency modulated
FOQA	flight operational quality assurance
FS	full service
FSAS	flight services automation system
FSM	flight schedule monitor
FSRS	facility security reporting system
FSS	flight service station
FST	fuel storage tank
FTI	Federal Aviation Administration Telecommunications Infrastructure
FY	fiscal year

## **G**

GA	general aviation
GA&VF	general aviation and vertical flight technology
GCCS	geostationary control and communications segment
GDP	ground delay program
GPS	global positioning system
GTE	government transition evaluations

## **H**

HAATS	Houston Area Air Traffic System
HOCSR	host/oceanic computer system replacement
HVAC	heating, ventilating, and air-conditioning

## **I**

IAH	George Bush Intercontinental Airport/Houston
IAPA	instrument approach procedures automation

IATS	initial academy training system
ICAO	International Civil Aviation Organization
IDS	integrated display system
IDU	initial daily use
IFQA	integrated flight quality assurance
ILS	instrument landing system
IMC	instrument meteorological conditions
IOC	initial operating capability
IOT&E	independent operational test and evaluation
ISC	initial systems configuration
ISD	in-service decision
ISS	information systems security
IT	information technology
ITS	investigations tracking system
ITWS	integrated terminal weather system

## **J**

JAI	joint acceptance inspection
JFK	John F. Kennedy International Airport
JRC	Joint Resources Council
JRC-2B	Joint Resources Council-Phase 2B

## **L**

LAAS	local area augmentation system
LCSS	logistical center support system
LEO	low-earth orbit
LLWAS	low-level wind shear alert system
LLWAS-2	low level wind shear alert system model 2
LLWAS-NE	low-level wind shear alert system network expansion
LLWAS-RS	low level wind shear alert system relocation/sustainment
LRR	long-range radar
LSF	logistics support facility

## **M**

MALSR	medium-intensity approach light system with runway alignment indicator lights
MASPS	minimum aviation system performance standard
MDM	main display monitor
MFD	multifunction display
MIAWS	medium intensity airport weather system
MOPS	minimum operational performance standard

## **N**

NACO	National Aeronautical Charting Office
NAFIS	next generation flight inspection system
NAS	National Airspace System
NASDAC	national aviation safety data analysis center
NASMAP	national airspace system management automation program
NAVAID	navigation aid
NDB	non-directional beacon
NDC	national data center
NEXCOM	next generation air/ground communications
NEXRAD	next generation weather radar
NIMS	national airspace system infrastructure management system
NISC	National Airspace System implementation support contract

NLA	new large aircraft
nm	nautical mile
NOTAM	notice to airmen
NTSB	National Transportation Safety Board
NYICC	New York Integrated Control Complex

## O

OASIS	operational and supportability implementation system
OEP	Operational Evolution Plan
ORD	operational readiness date
OSHA	occupational safety and health administration
OSH	occupational safety and health
OT	operational test
OT&E	operational test and evaluation
OTS	operational telephone system

## P

PAPI	precision approach path indicator
PCB	polychlorinated biphenyl
PDARS	performance data analysis and reporting system
PEM	position electronic module
PHL	Philadelphia International Airport
PRM	precision runway monitor
PWS	performance work statement

## R

R-side	radar-position
RANK	replacement alphanumeric keyboard
RCAG	remote center air/ground
RCAS	radio coverage analysis system
RCISS	regulation and certification infrastructure for system safety
RCOM	recovery communications
RD	requirement document
R&D	research and development
REIL	runway end identifier lights
RFI	radio frequency interference
RIRP	runway incursion reduction program
RMS	remote monitoring system
RNAV	area navigation
RNP	required navigation performance
RPAT	required navigation performance parallel approach transition
RTEPM	Regional Test Equipment Program Managers
RTP	resource tracking program
RTR	remote transmitter receiver
RVR	runway visual range
RVSM	reduced vertical separation minima
RWSL	runway status lights

## S

SAIDS4	systems atlanta information display system 4
SARP	standards and recommended practices
SATCOM	satellite communications
SATDS	stand alone tower display system
SAWS	standalone weather sensors
SCAP	security certification authorization plan

SERC	software engineering resource center
SF-21	Safe Flight 21
SIR	screening information request
SIDs	standard instrument departures
SLEP	service life extension program
SMO	System Maintenance Office
SMS	surface management system
STARS	standard terminal automation replacement system
STARs	standard terminal arrivals
STE	secure telephone equipment
SWIM	system wide information network

## T

TAMDAR	tropospheric airborne meteorological data reporting
TCAS	traffic alert and collision avoidance system
TD	tower display
TDLS	tower data link services
TDWR	terminal Doppler weather radar
TFM	traffic flow management
TFM-I	traffic flow management-infrastructure
TFMP	terminal facility master plans
TIS	traffic information service
TIS-B	traffic information service-broadcast
TMA	traffic management advisor
TMA-SC	traffic management advisor-single center
TRACON	terminal radar approach control
TVSR	terminal voice switch replacement

## U

UAT	universal access transceiver
UHF	ultra high frequency
UPS	uninterruptible power supply
UPS	United Parcel Service
URET	user request evaluation tool

## V

VASI	visual approach slope indicator
VEM	voice switching and control system electronic module
VHF	very high frequency
VOR	very high frequency omni-directional range
VORTAC	very high frequency omni-directional range collocated with tactical air navigation
VRRP	voice recorder replacement program
VSCS	voice switching and control system

## W

WAAS	wide area augmentation system
WARP	weather and radar processor
WJHTC	William J. Hughes Technical Center
WMSCR	weather message switching center replacement
WSP	weather systems processor